


I HEREBY CERTIFY THAT THIS IS A TRUE AND  
CORRECT COPY OF ONE OF THE CONTRACT  
DRAWINGS CONSTITUTING A PART OF  
CONTRACT NO. W-861-573 IN  
THE FORM IN WHICH SAID DRAWINGS  
EXISTED AT THE TIME THE SAID CONTRACT  
WAS EXECUTED BY THE PARTIES.

DATE 4/1/60   
CONTRACT ENGR./ARCH.

DATE 2/13/60  
ENGINEERING PROGRAM M

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

FIRE ALARM SYSTEM  
DEVICE UPGRADE  
PHASE III  
5 WTC 3rd,4th,5th & 6th FLOORS

4th FLOOR TSC-FC  
BLOCK WIRING DIAGRAM  
EXISTING AND REMOVAL

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN N. PALACIOS A.S.  
Designed by Drawn by Checked by

NOVEMBER 26, 1999  
Date

WTC-861.573      E-04-7  
Contract Number      Drawing Number

- APPLY LABEL TO OUTER JACKET OF CABLE  
MAXIMUM OF 3" FROM STRIPPED END AS SHOWN  
NOT TO BE COVERED BY OVERSIZED SHRINK.
- DETAIL APPLIES TO ALL CABLE TYPES

**CIRCUIT DESIGNATION**

STR-A  
"OR"  
STR-A  
T T

CABLE IDENTIFICATION TAG: LIGHT TEXT REPRESENTS EXISTING  
CABLE TAG TO REMAIN, HEAVY TEXT REPRESENTS THE TAG  
(BRADY LABEL #WML-305-292 O.A.E.) TO BE FURNISHED &  
INSTALLED.

STR	- STROBE CIRCUIT	A TO G	- STROBE OR SPEAKER CIRCUIT NUMBER
SPK	- SPEAKER CIRCUIT	ATC	- CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET.
ALD	- ALD LOOP DEVICE CIRCUIT	PS	- CIRCUIT TO PULL STATIONS
	(EXCEPT SMOKE DETECTOR)	ELEV	- CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR
TEL	- TELEPHONE CIRCUIT		MACHINE ROOM SMOKE DETECTORS
SD	- SMOKE DETECTOR CIRCUIT	HVAC	- CIRCUIT TO HVAC SMOKE DETECTOR
W	- MAINTENANCE PHONE	AREA	- CIRCUIT TO OPEN AREA SMOKE DETECTOR
WPF	- WARDEN TELEPHONE CIRCUIT	IC	- INTERFACE CABINET CIRCUIT
SP	- STAND PIPE PHONE JACK CIRCUIT	TIB	- TENANT INTERFACE BOX

**TERMINAL BLOCK STRIP NUMBER 5**

EXISTING TERMINAL BLOCK WITH THE BLOCK NUMBERING.

EXISTING #14 (U.O.N.) CONDUCTOR OR DRAIN WIRE TO REMAIN CONNECTED.

#14 CONDUCTOR OR DRAIN WIRE TO BE DISCONNECTED AND REMOVED AS SHOWN ON EXISTING AND REMOVAL BLOCK WIRING DIAGRAM.

#14 CONDUCTOR OR DRAIN WIRE TO BE DISCONNECTED FROM EXISTING TERMINAL BLOCK AND RECONNECTED TO OTHER TERMINAL BLOCK AS SHOWN ON EXISTING, RELOCATIONS AND ADDITIONS BLOCK WIRING DIAGRAM.

CONDUCTOR OR DRAIN WIRE IDENTIFICATION TAG, LIGHT TEXT REPRESENTS EXISTING IDENTIFICATION TAG TO REMAIN, HEAVY TEXT REPRESENTS THE TAG (BRADY LABEL #WWL-205-292-1 O.A.E.) TO BE FURNISHED AND INSTALLED.

27 A 5

INDICATES TERMINAL BLOCK NUMBER.

INDICATES DESTINATION OF CIRCUIT CABLE.

- A - FOR CABLE RUN TO TSC-FA
- B - FOR CABLE RUN TO TSC-FB
- C - FOR CABLE RUN TO TSC-FC
- D - FOR CABLE RUN TO TSC-FD
- E - FOR CABLE RUN TO TSC-1
- F - FOR CABLE RUN TO MXLR
- F - FOR CABLE RUN TO DEVICE(S) ON THE FLOOR

INDICATES CABLE PAIR NUMBER.

- 1-4 - FOR ALD LOOP CIRCUIT
- 5-12 - FOR TELEPHONE CIRCUIT
- 23-38 - FOR STORE CIRCUIT
- 49-56 - FOR SPEAKER CIRCUIT

TERMINAL BLOCK NUMBERING TAG. ADDITIONAL MARKINGS ARE FOR INFORMATION ONLY.

(R) 5

INDICATES TERMINAL BLOCK NUMBER  
BRADY LABEL # # TB02-502-281 (O.A.E.)

INSULATION COLOR OF THE CONDUCTOR.

(R) - RED (B) - BLACK

POLARITY

- + - POSITIVE
- - NEGATIVE
- S - SHEATH/DRAIN

N.T.S.

Diagram illustrating the steps for terminating a shielded cable (Type A):

- INSTALL CLEAR OVERSIZED SHRINK TUBE.
- CUT FOIL SHIELD FLUSH WITH END OF OUTER JACKET.
- MAINTAIN TWIST.
- INSULATED CONDUCTOR (RED).
- INSULATED CONDUCTOR (BLACK).
- UNINSULATED DRAIN WIRE, TERMINATED OR CONTINUED TO NEXT DEVICE.
- INSTALL CLEAR SHRINK TUBE.

SHIELDED CABLE TYPE "A".

CIRCUIT DESIGNATION CABLE TAG BRADY LABEL #WAL-SOS-2 WITHIN 5" FROM CABLE END.

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
2. ALL SHIELDS MUST BE ISOLATED FROM GROUND, APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUITS. SEE SPECIAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
3. ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
4. ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
5. DISCONNECT AND COMPLETELY REMOVE CABLES FROM BOTH ENDS ALL WORK SHALL BE DONE ON THE PRESENCE OF THE ENGINEER.
6. DISCONNECT AND REMOVE FROM TSC CABINET, LEADS COILED IN THE PRESENCE OF THE ENGINEER.

